

METHOD AND APPARATUS TO PREVENT LOW TEMPERATURE DAMAGE USING AN HVAC CONTROL

ABSTRACT OF THE DISCLOSURE

A heating control method is provided for a multi-stage heating system including a heating circuit having a compressor, a condenser and an evaporator. An auxiliary heater is provided that is selectively controlled independently of the heating circuit. During a heating cycle in which the ambient outside temperature is greater than the balance point temperature associated with the operation of the heating circuit, the auxiliary heating circuit is normally prevented from operating. However, if the heating requirements are not satisfied after a predetermined time or the compressor is non-functional or operating improperly, the auxiliary heater is enabled.